



地址：中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623

Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

电话Tel: 020-22131000 邮箱Email: ppdc@iqtcnet.cn 网址Website: <https://www.iqtcnet.cn>

No: 1125000768Y-1

Date: 2025-02-26

Page: 1 of 5

UN38.3 报告

UN38.3 Test Report

样品名称: 磷酸铁锂电池

Sample Name: Lithium iron phosphate battery

委托单位: 广州菲利斯太阳能科技有限公司

Applicant: Guangzhou Felicity Solar Technology Co., Ltd



提取码: 416838

验证平台:

<https://css.iqtcnet.cn>



GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER



广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER



中国认可
国际互认
检验
INSPECTION
CNAS IB0411

地址: 中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623

Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

电话Tel: 020-22131000 邮箱Email: ppdc@iqtenet.cn 网址Website: https://www.iqtenet.cn

No: 1125000768Y-1

Date: 2025-02-26

Page: 2 of 5

检测证书 TEST REPORT

样品名称 Sample Name	磷酸铁锂电池 LITHIUM IRON PHOSPHATE BATTERY		
型号 Model	FLS48050SCG1		
委托单位 Applicant	广州菲利斯太阳能科技有限公司 Guangzhou Felicity Solar Technology Co., Ltd		
委托单位地址 Applicant Address	广东省广州市白云区人和镇东华工业区东华兴富街23号 No.23, xingfu street, renhe town, baiyun district, guangzhou, Guangdong		
生产单位 Manufacture	广东菲利斯新能源有限公司 Guangdong Felicity New Energy Co., Ltd.		
生产单位地址 Manufacture Address	广州市白云区人和镇东华业路2号(空港白云) (KongGangBaiYun) No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area, Guangzhou, Guangdong, P. R. CHINA		
样品外观与性状 Appearance & Odor	白色金属外壳 White metal shell		
测试方法和判定标准 Test method and criterion	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.8, 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3		
接样时间 Accepted date	2025-02-12	样品数量 Quantity of sample	1PC
完成日期 Completed date	2025-02-19		
结论 Conclusion	申请人送检的样品与原报告 1124001135-1(E) 的差异符合联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.8, 38.3, 节相关规定。The sample's differences submitted by Applicant between this report and original report 1124001135-1(E) are comply with the requirement of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3.		
差异说明 The differences	1.本报告变更了委托单位、委托单位地址、外观、电池铭牌和型号, 该变更未改变原报告中样品的关键材料, 产品设计和生产工艺, 生产厂也未改变。 The applicant, applicant address, appearance, battery nameplate and model of sample are changed in this report, the modified item(s) did not changed the key materials, design and production process of the sample of original report, the production factory has no change.		
备注 Remark	1.本报告中是 1124001135-1(E) 的变更报告, 原报告签发于 2024 年 8 月 29 日, 不涉及新的测试项目。 This report is transformed from Original report 1124001135-1(E) which is issued on 29 August 2024, no new test item is involved. 2. 本报告需和原报告一起使用。 This report needs to be used with the original report. 3.随附 UN38.3 试验概要(编号: 1125000768-2)。 Attached with UN38.3 test summary (No.: 1125000768-2).		

批准

Approver:

审核

Checker:

主检

Appraiser:

地址：中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623

Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

电话Tel: 020-22131000 邮箱Email: ppdc@iqtenet.cn 网址Website: https://www.iqtenet.cn

No: 1125000768Y-1

Date: 2025-02-26

Page: 3 of 5

电池组信息：

The batteries information:

电池类型 Battery type	锂离子电池 Lithium ion batteries	标称电压 Nominal Voltage	51.2V
额定容量 Rated Capacity	50Ah	总能量 Total Energy	2.56KWH
充电限制电压 Limited Charge Voltage	57.56V	标准充电电流 Standard Charge Current	25A
最大充电电流 Maximum Charge Current	50A	充电截止电流 Charge Cut-off Current	2A
标准放电电流 Standard discharge Current	25A	最大放电电流 Maximum Discharge Current	50A
放电截止电压 Discharge Cut-off Voltage	44.8V	物理描述 Physical description	长方体 Cuboid
电芯数量 Cell Quantity	16	重量 Mass	31±2kg
电芯容量 Cell Capacity	50Ah	电芯型号 Cell Model	CB3914895EA-50Ah
电芯生产单位 Manufacturer of cell	瑞浦能源		

地址：中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623

Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

电话Tel: 020-22131000 邮箱Email: ppdc@iqtenet.cn 网址Website: https://www.iqtenet.cn

No: 1125000768Y-1

Date: 2025-02-26

Page: 4 of 5

样品图片

Photo of the sample

电池正面外观
Battery front appearance



电池侧面外观
Battery side appearance



电池侧面外观
Battery side appearance



电池铭牌(含 Wh)
Battery nameplate (With Wh)

 Lithium iron phosphate battery	
Model	FLS48050SCG1
Nominal Energy	2.56kWh
Nominal Voltage	51.2V
Nominal Capacity	50Ah
Maximum Continuous Charge / Discharge Current	50A
Communication	RS485/CAN
Cycle Life	≥6,000@25°C, 80% DOD
IP Rating of Enclosure	IP65
Working Temperature Range	Charge: 0°C~+55°C
	Discharge: -20°C~+55°C
IFpP/41/150/102/[1P16S]M/-10+50/95	

电芯
Cell





广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER



中国认可
国际互认
检验
INSPECTION
CNAS IB0411

地址：中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623

Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

电话Tel: 020-22131000 邮箱Email: ppdc@iqtenet.cn 网址Website: https://www.iqtenet.cn

No: 1125000768Y-1

Date: 2025-02-26

Page: 5 of 5

声明 Statement

1.本报告无检测单位公章无效。

The test report is invalid without the official stamp of IQTC.

2.本报告无批准人、审核人及主检人签名无效。

The test report is invalid without the signatures of Approver, Checker and Appraiser.

3.本报告涂改无效。未经本实验室书面同意，不得部分地复制本报告。

The test report is invalid if altered. Nobody is allowed to photocopy or partly photocopy this report without written permission of IQTC.

4.客户必须如实提供样品及资料，并保证申报品名和样品以及运输货物相同，否则本检测单位不承担任何相关责任。

The client should provide samples and relevant data, at the same time, they should guarantee the consistence of the product's name they declared, the samples they provided and the goods to be transported. Otherwise we will not bear any relevant responsibilities.

5.对检测报告若有异议，应于收到报告之日起十五天内向检测单位提出。

Objection to the test report must be submitted to IQTC within 15 days

6.本报告仅对送检样品负责。

The test report is valid for the tested samples only.

7.检测地址：广东省广州市科学城南翔支路1号C102房（汽车与装备检测研究所科学城）

Test Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China
(Institute of Automobile and Equipment Testing in Science City)

电话(Tel): 020-38669019-811

电子邮箱(E-mail): battery@iqtcnet.cn

* * * * 报告结束 End of report * * * *

中心章